

8

7

6

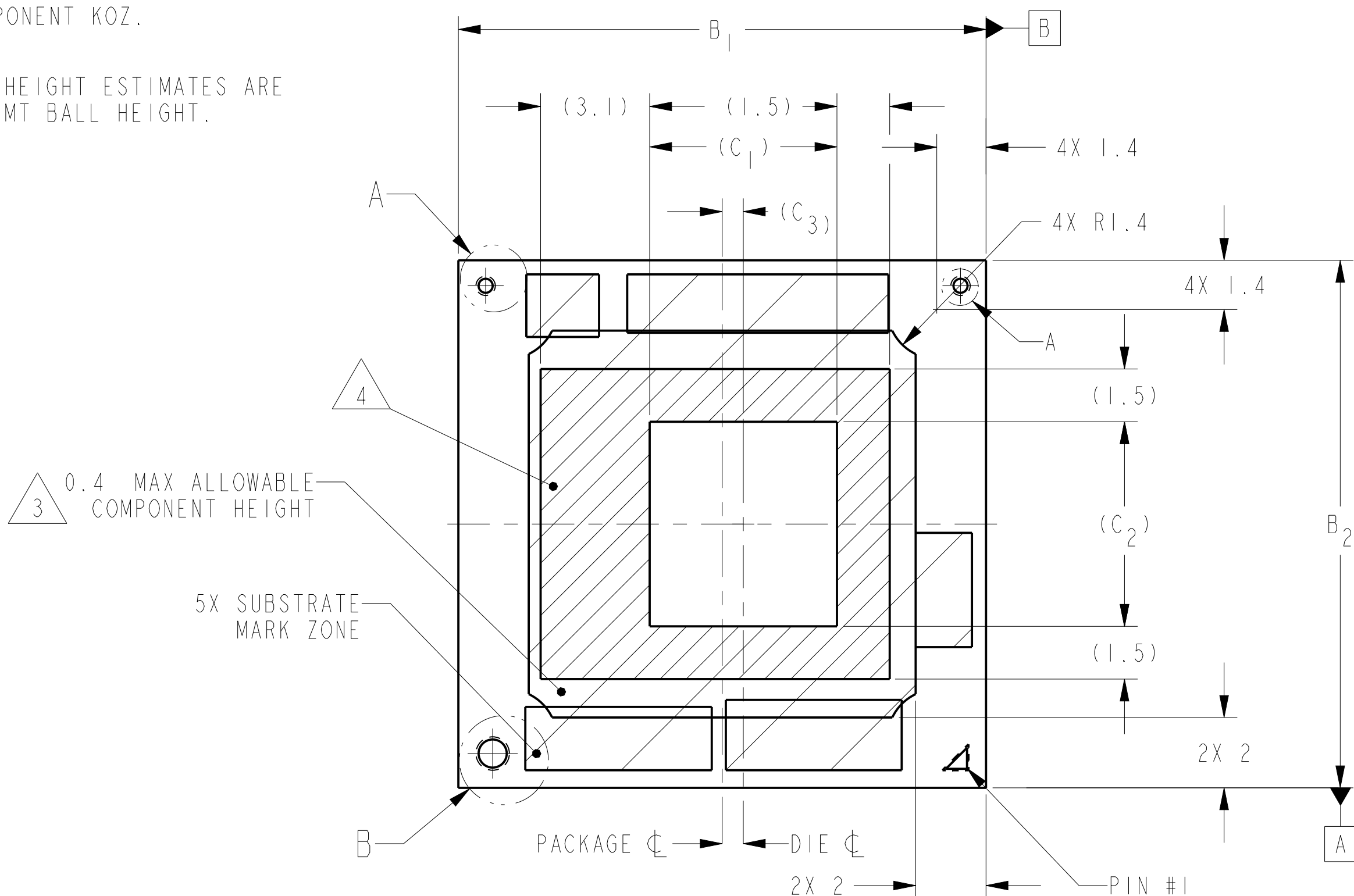
5

4

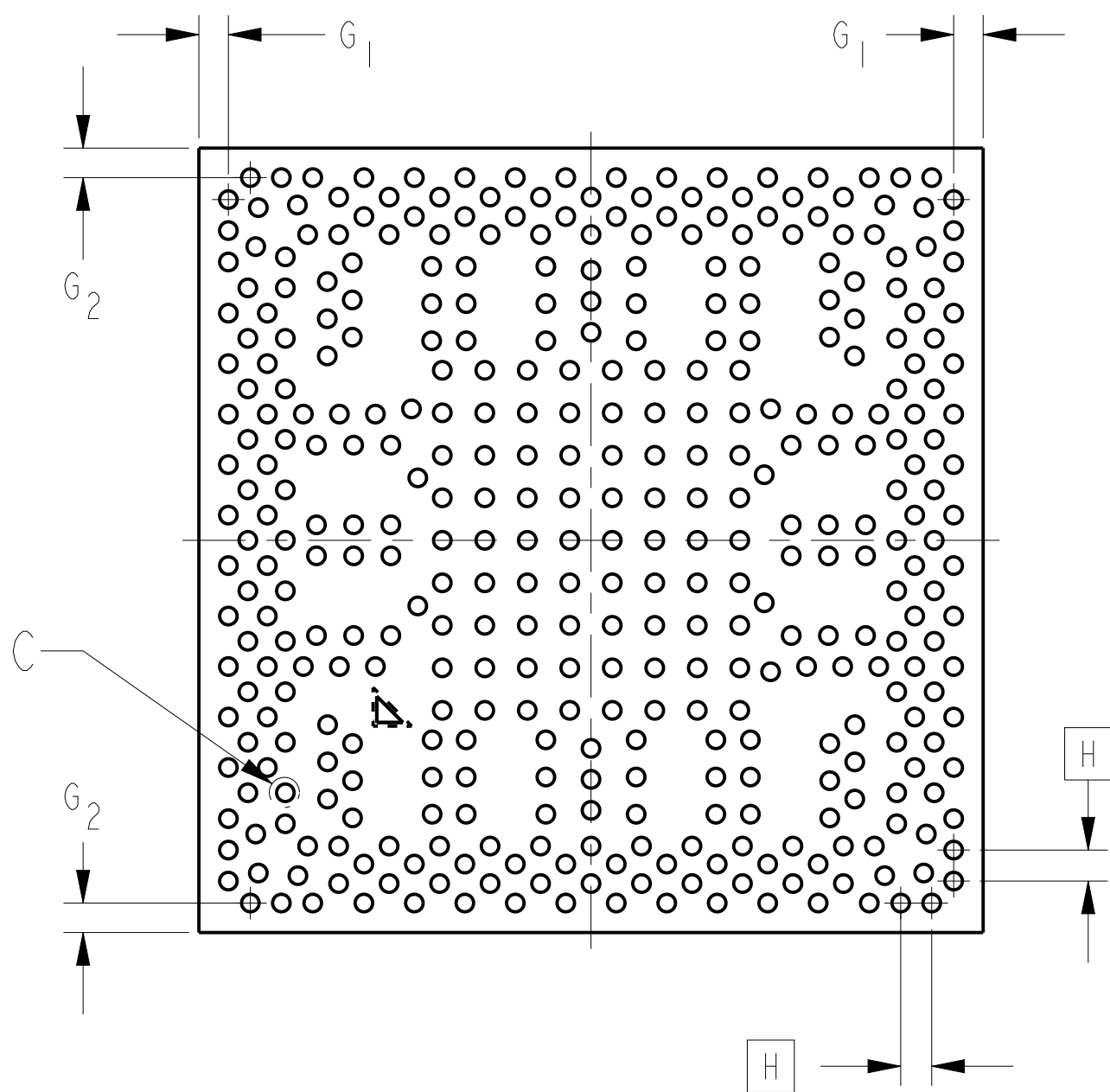
3

2

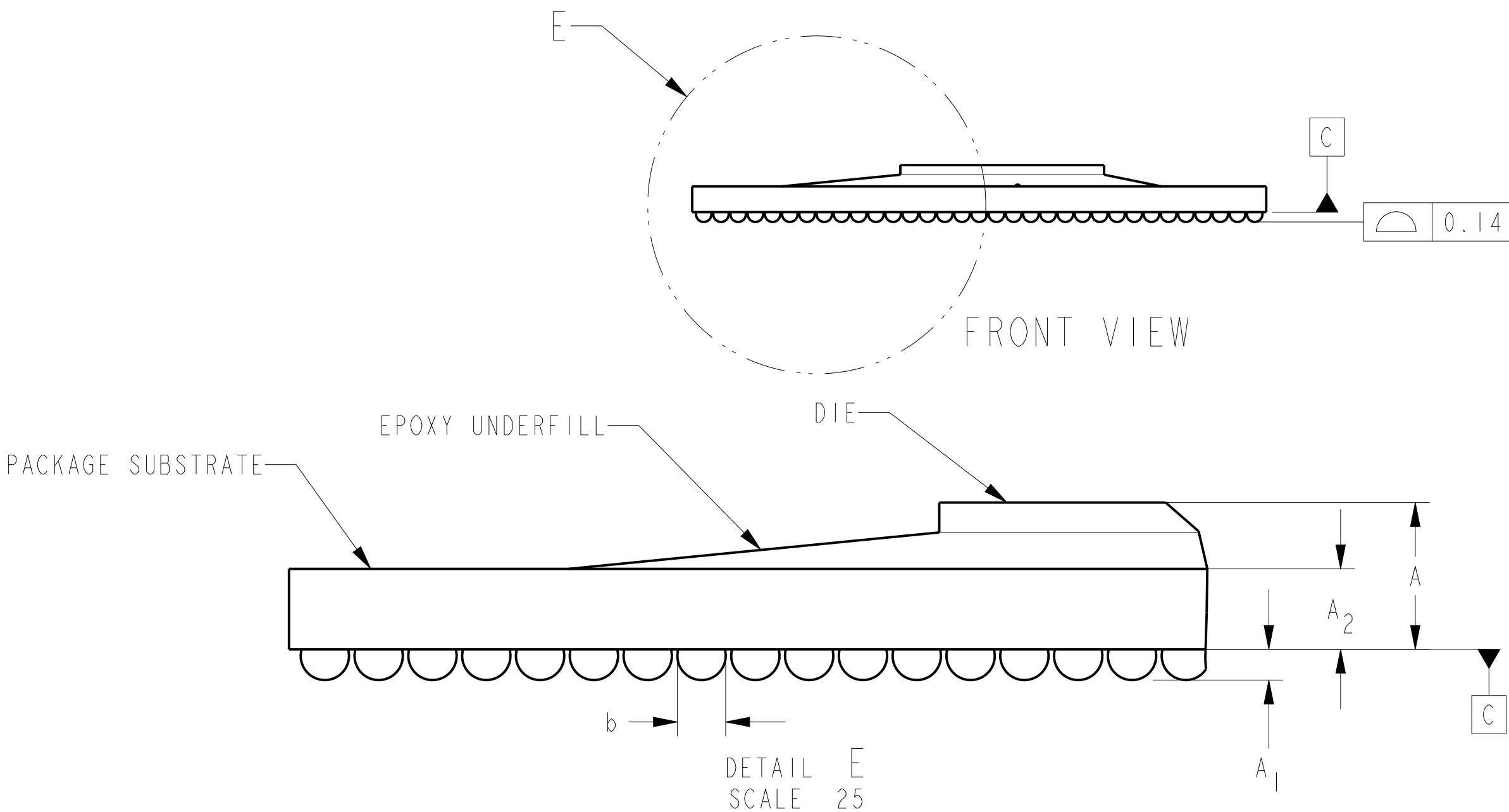
- NOTES:
1. PACKAGE EXPECTED TO BE WITHIN HIGH-TEMPERATURE COPLANARITY RANGE OF -0.13mm TO +0.2mm.
 2. ALL TOLERANCES ARE RSS.
- 3 COMPONENT K1Z.
- 4 DIE SIDE COMPONENT K0Z.
5. ALL Z STACKUP HEIGHT ESTIMATES ARE BASED ON PRE SMT BALL HEIGHT.



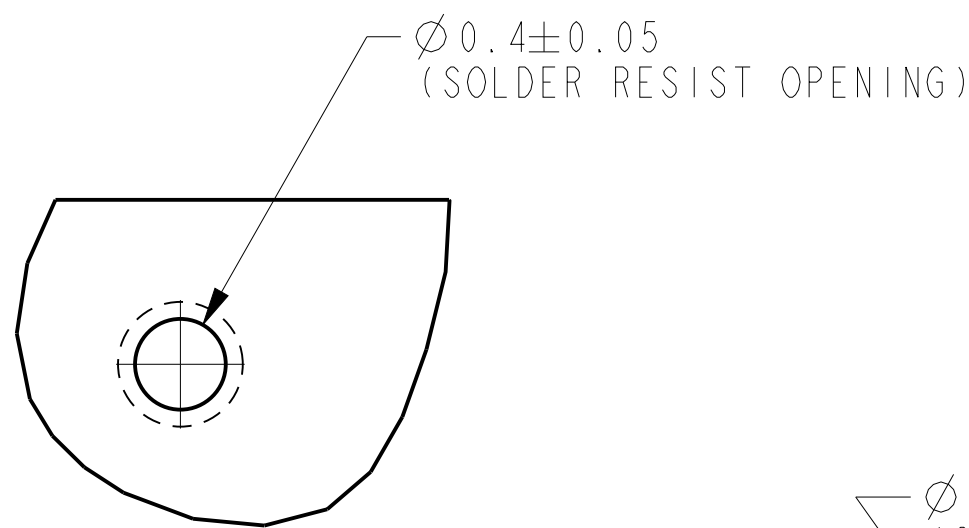
TOP VIEW



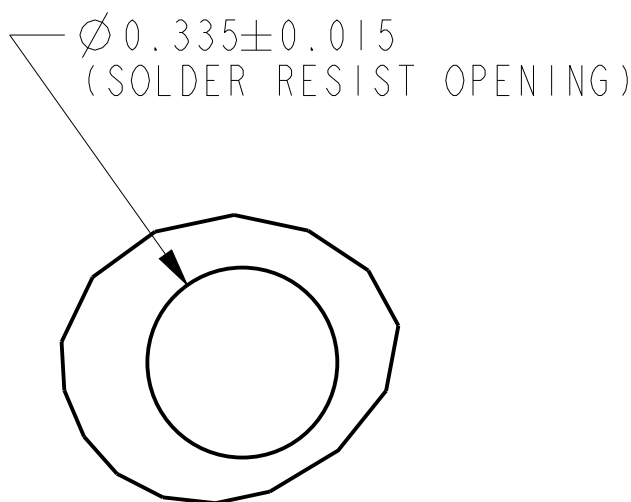
BOTTOM VIEW



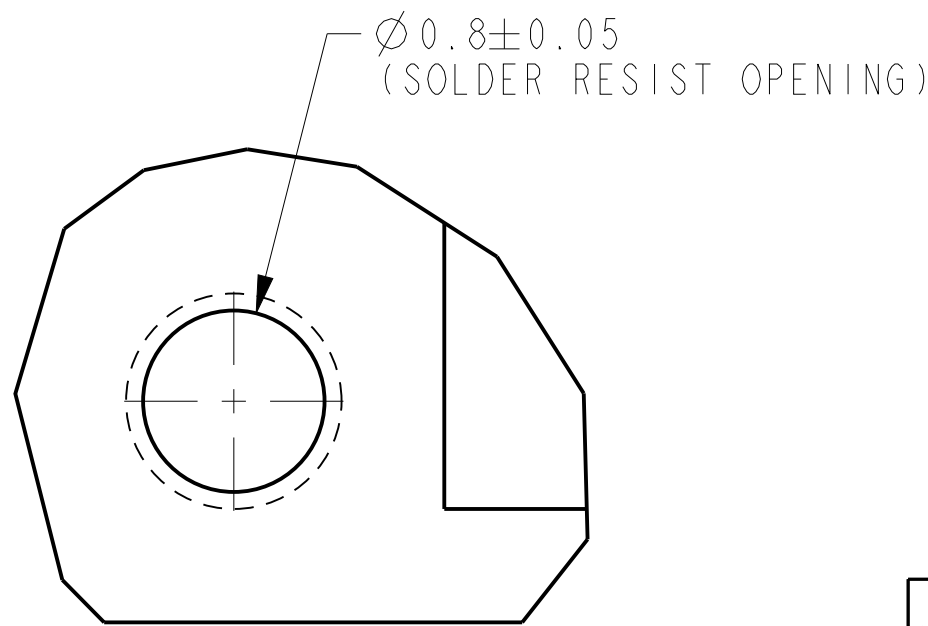
FRONT VIEW



DETAIL A
SUBSTRATE ALIGNMENT FIDUCIAL
2X
SCALE 30




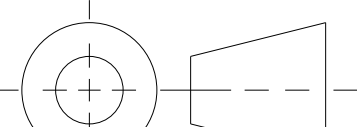
DETAIL C
BGA LAND
695 PLACES
SCALE 75

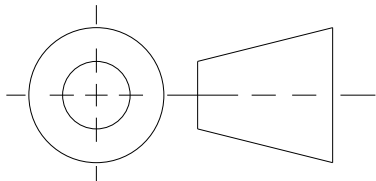


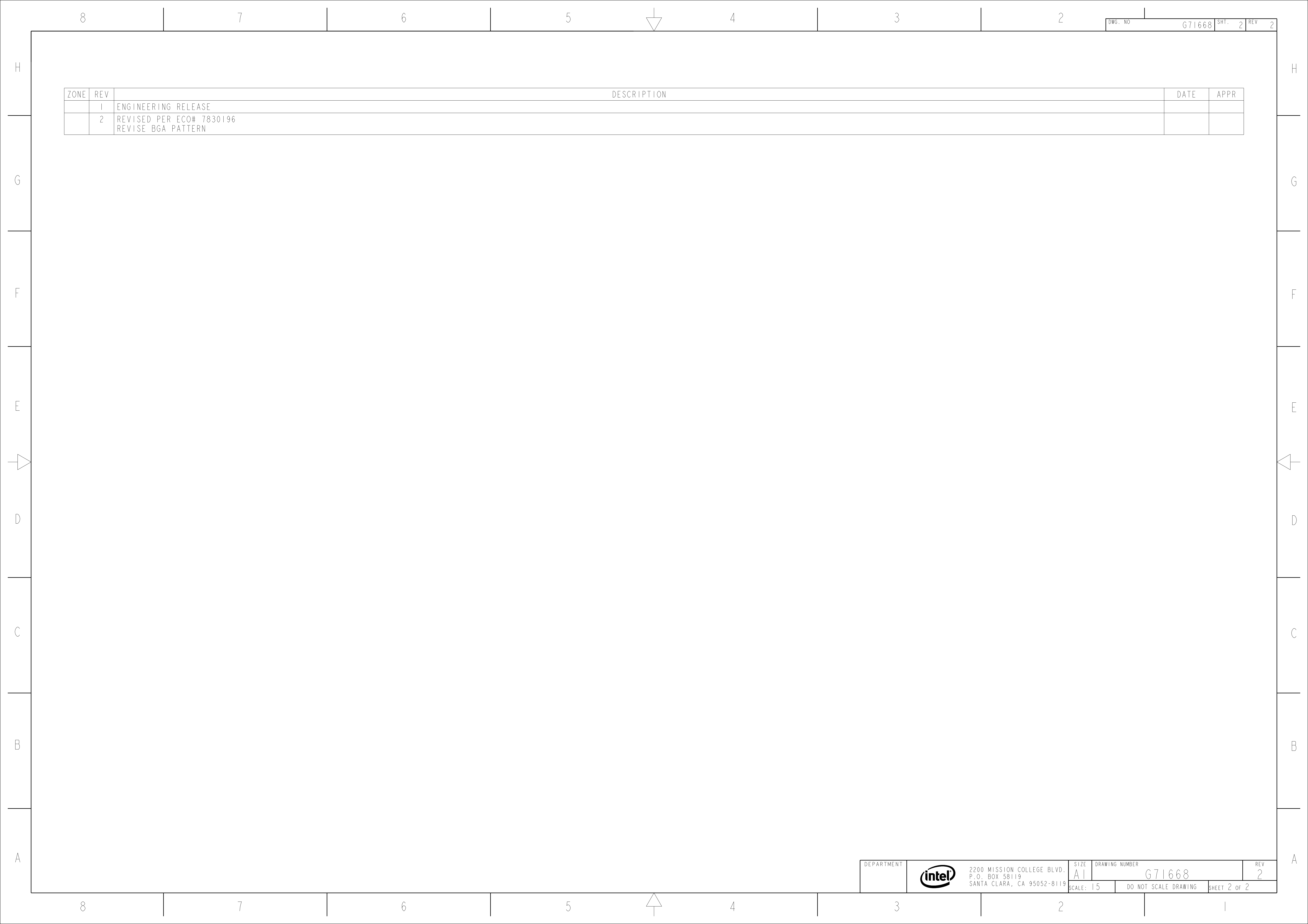
DETAIL B
SUBSTRATE ALIGNMENT FIDUCIAL
SCALE 30

SYMBOL	MILLIMETERS	COMMENTS
B ₁	15±0.04	
B ₂	15±0.04	
C ₁	5.324	
C ₂	5.817	
C ₃	0.6	
A	1.228±0.072	
A ₁	0.257±0.05	PRE-SMT (END OF LINE) BGA HEIGHT
	0.185±0.02	POST-SMT (BOARD ATTACH) BGA HEIGHT
A ₂	0.673±0.075	
G ₁	0.564	MIN BGA PAD CENTER TO PACKAGE EDGE
G ₂	0.564	MIN BGA PAD CENTER TO PACKAGE EDGE
H	0.593	MIN PITCH FOR BALLS ANYWHERE PATTERN
b	0.404	PRE-SMT BGA DIAMETER (END OF LINE)

Ø0.10	C	B	A
Ø0.04	C		

UNLESS OTHERWISE SPECIFIED INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-1994 DIMENSIONS ARE IN MILLIMETERS ALL UNTOLERANCED LINEAR DIMENSIONS ±0.1 ANGLES ±0.5	DESIGNED BY	DATE	DEPARTMENT		 2200 MISSION COLLEGE BLVD. P.O. BOX 58119 SANTA CLARA, CA 95052-8119	
	DRAWN BY	DATE				
	CHECKED BY	DATE	TITLE			
	PACKAGE MECHANICAL DRAWING					
					SIZE	DRAWING NUMBER
THIRD ANGLE PROJECTION	APPROVED BY	DATE	A1	G71668		2
	MATERIAL	FINISH	SCALE: 5		DO NOT SCALE DRAWING	SHEET 1 of 2





ZONE	REV	DESCRIPTION	DATE	APPR
	1	ENGINEERING RELEASE		
	2	REVISED PER ECO# 7830196 REVISE BGA PATTERN		